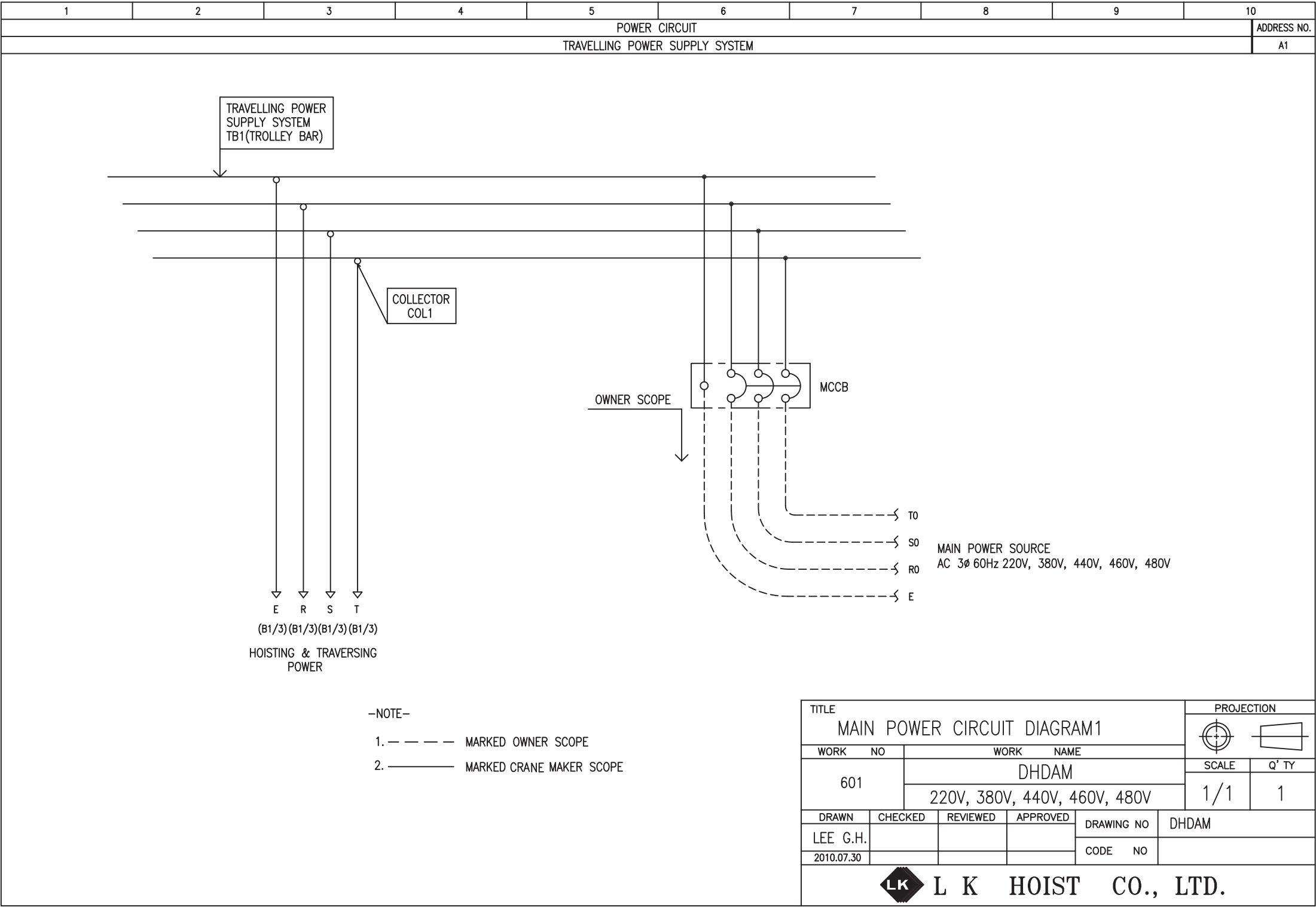
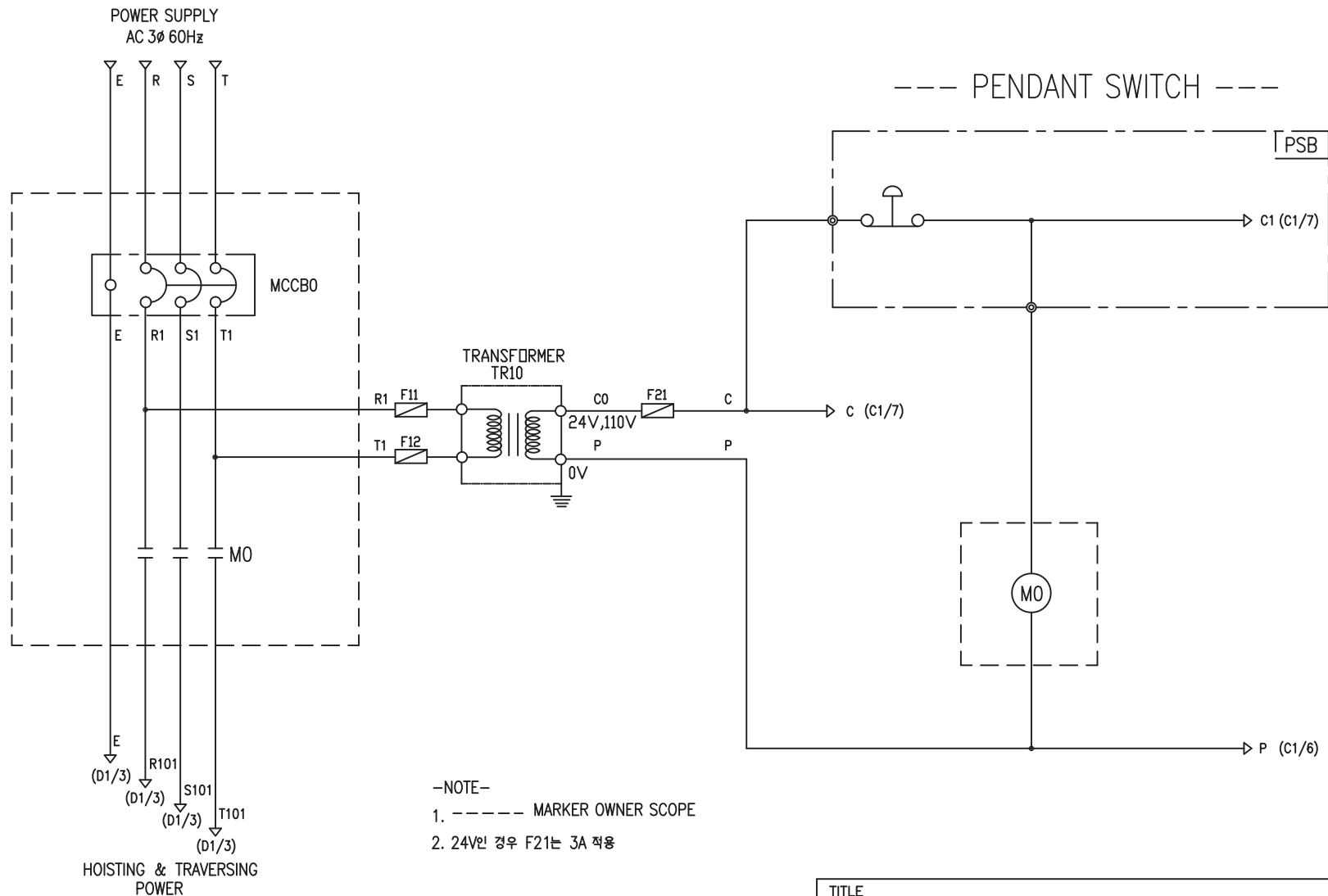
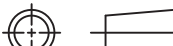


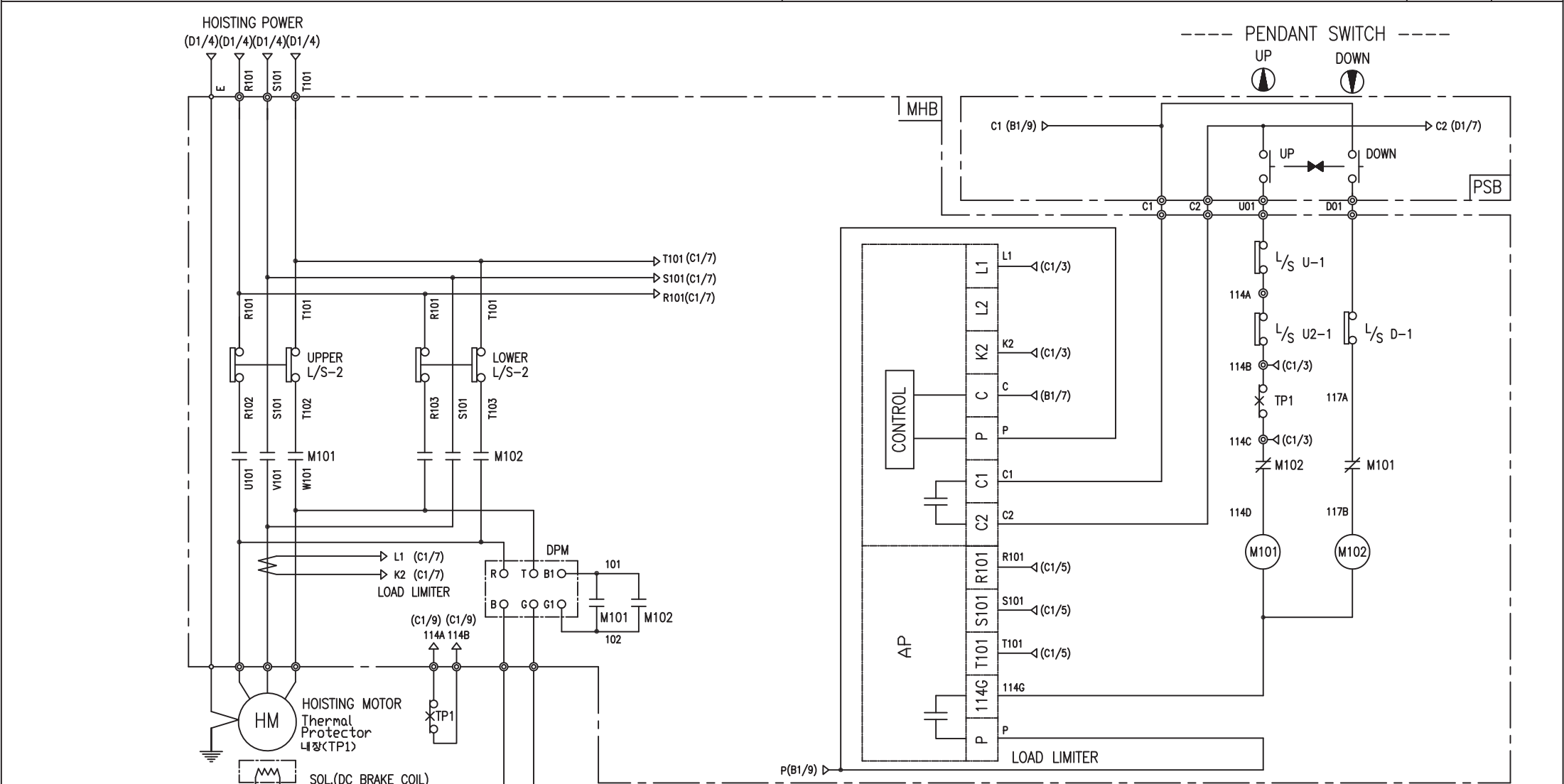


1	2	3	4	5	6	7	8	9	10		
POWER CIRCUIT					CONTROL CIRCUIT					ADDRESS NO.	B1



SPECIFICATION	NO FUSE BREAKER		MAGNET CONTACT		TRANSFORMER	FUSE
SYMBOLS	MCCB0		M0		TR10	F11, F12, F21
DESCRIPTION	220V	30A	GMC22	DMC-22	30VA	1A
	380V	15A				
	440V	15A				
	460V	15A				
	480V	15A				
MAKER	LS		LS	DONGA	LK	—

TITLE					PROJECTION		
MAIN POWER & CONTROL CIRCUIT DIAGRAM							
WORK	NO	WORK NAME					
602		DHDAM				SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V				1/1	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL		DHDAM	
LEE.G.H				CODE NO			
2010.07.30							
 L K HOIST CO., LTD.							



SPECIFICATION	MAGNET CONTACT		LOAD LIMITER	SILICON RECTIFIER				Thermal Protector	HOIST MOTOR
SYMBOLS	M101, M102		—	DPM				TP1	HM
DESCRIPTION	DMC-12	GMC-12	LKDL-601	AC220V	AC440V	AC460V	AC480V	17AM032	1.8Kw * 4P
				DC99V	DC198V	DC207V	DC216V		
MAKER	DONG-A	LS	LK	LK				Texas Instruments	LK

TITLE

HOIST POWER & CONTROL CIRCUIT DIAGRAM

WORK NO

603

WORK NAME

DHDAM

220V, 440V, 460V, 480V

PROJECTION

SCALE

1/1

Q' TY

1

DRAWN

LEE.G.H

2010.07.30

CHECKED

REVIEWED

APPROVED

MODEL

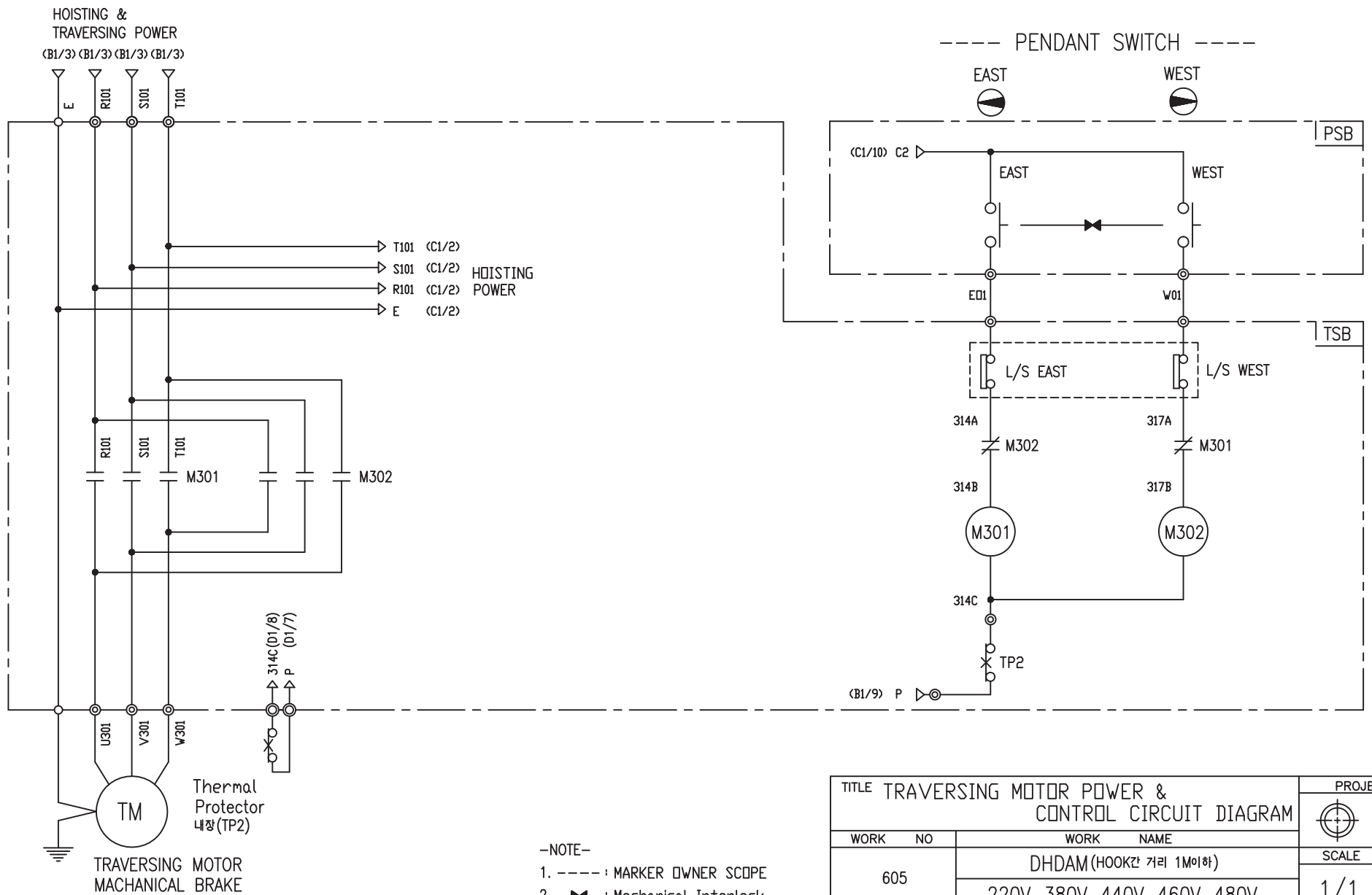
DHDAM

CODE NO

LK

L K HOIST CO., LTD.

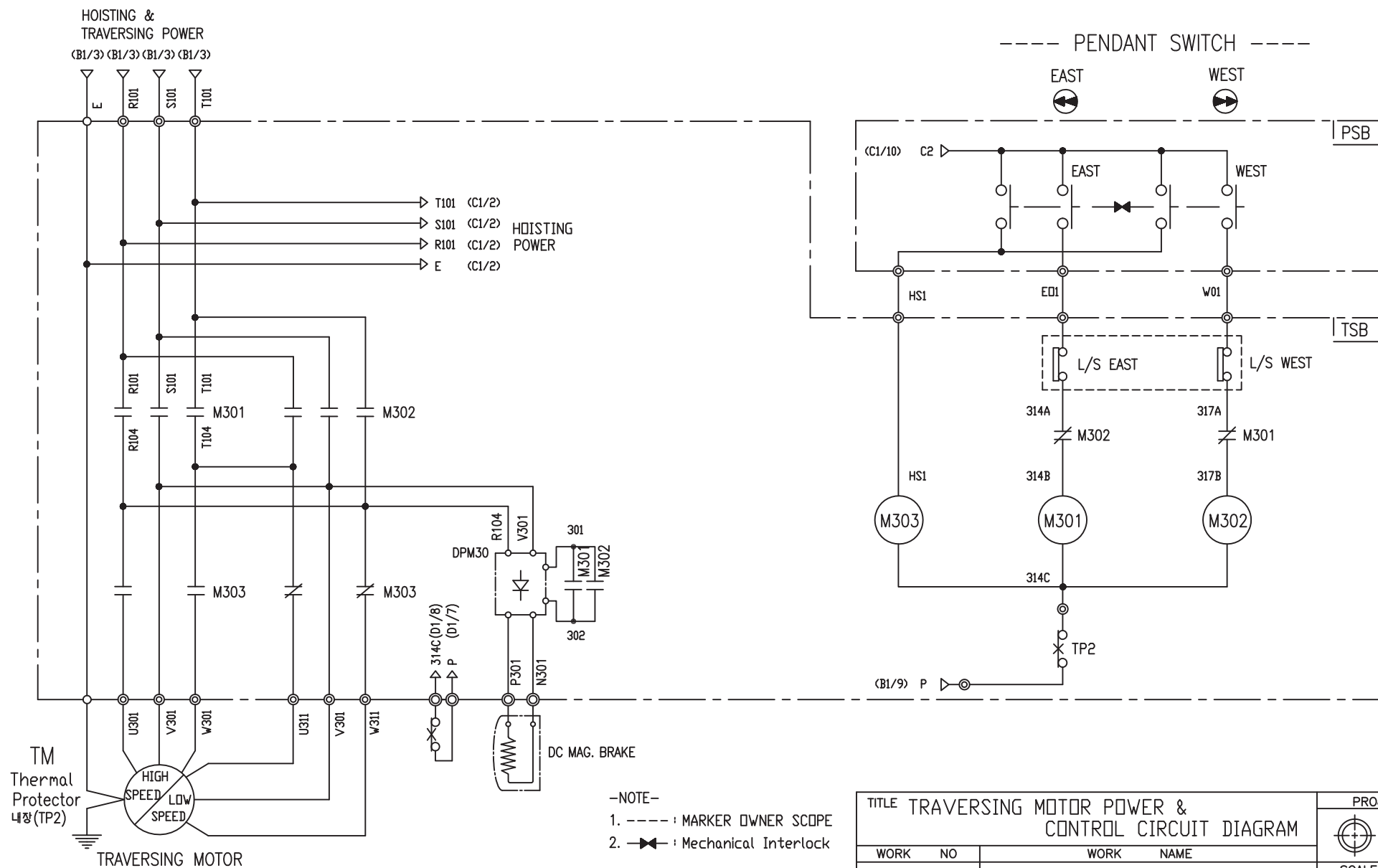
1	2	3	4	5	6	7	8	9	10		
TRAVERSING POWER CIRCUIT					TRAVERSING CONTROL CIRCUIT					ADDRESS NO.	D1



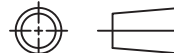
SPECIFICATION	MAGNET CONTACT		Thermal Protector	TRAVERSING MOTOR	
SYMBOLS	M301, M302		TP2	TM	
DESCRIPTION	GMC12	DMC12	17AM032	0.4KW *4P	0.3KW *6P
MAKER	LS	DONGA	Texas Instruments	LK	

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM							PROJECTION	
WORK NO		WORK NAME						
605		DHDAM(HOOK간 거리 1M이하)					SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V					1/1	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL		DHDAM		
LEE.G.H				CODE NO				
2010.07.30								
L K HOIST CO., LTD.								

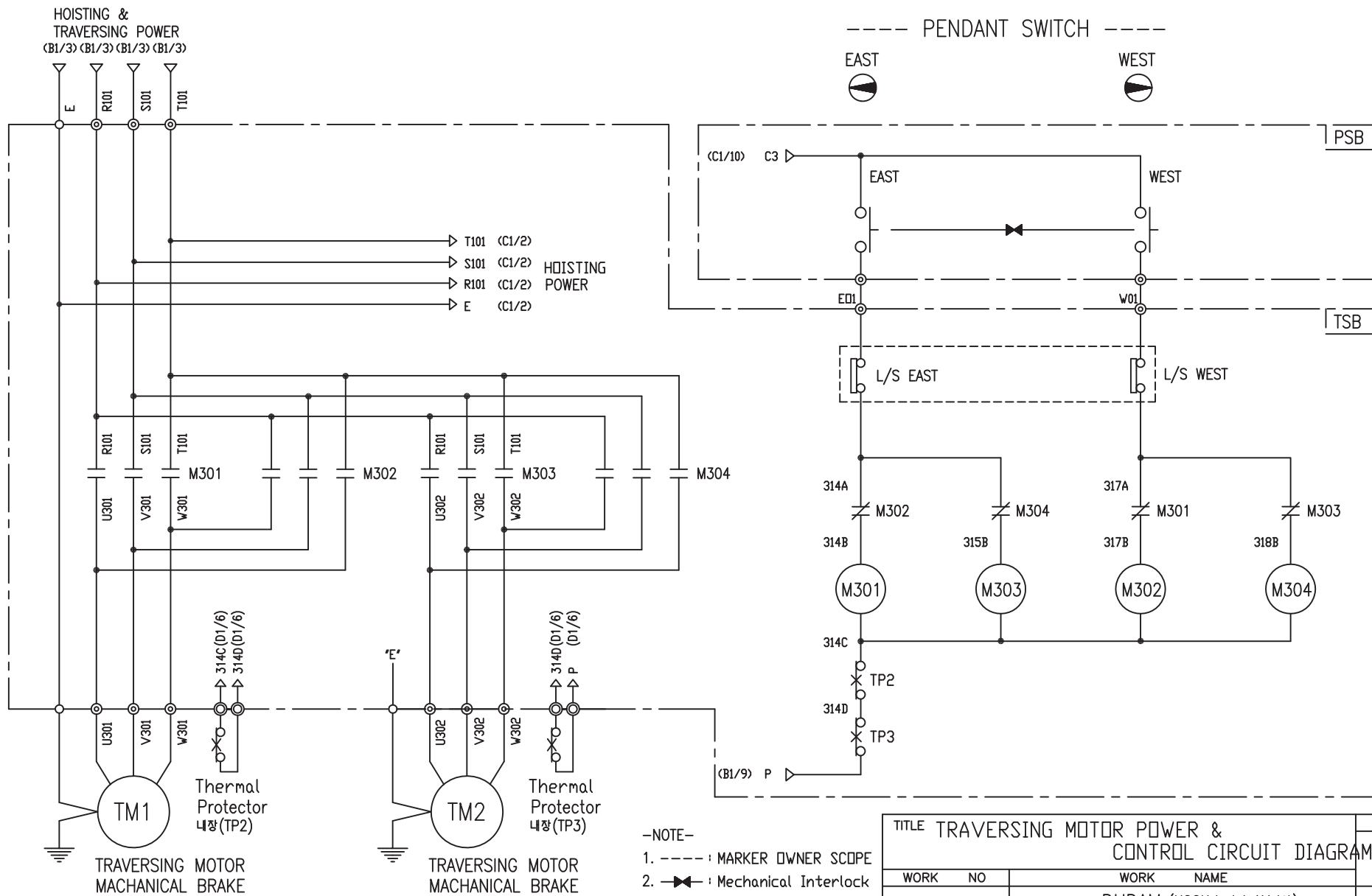
1	2	3	4	5	6	7	8	9	10		
TRAVERSING POWER CIRCUIT					TRAVERSING CONTROL CIRCUIT					ADDRESS NO.	D1



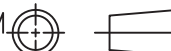
SPECIFICATION	MAGNET CONTACT		Thermal Protector	SILICON RECTIFIER					TRAVERSING MOTOR
SYMBOLS	M301, M302, M303		TP2	DPM30					TM
DESCRIPTION	GMC12	DMC12	17AM032	AC220V	AC380V	AC440V	AC460V	AC480V	0.4/0.14KW *4/12P
				DC99V	DC171V	DC198V	DC207V	DC216V	
MAKER	LS	DONGA	Texas Instruments	LK					LK

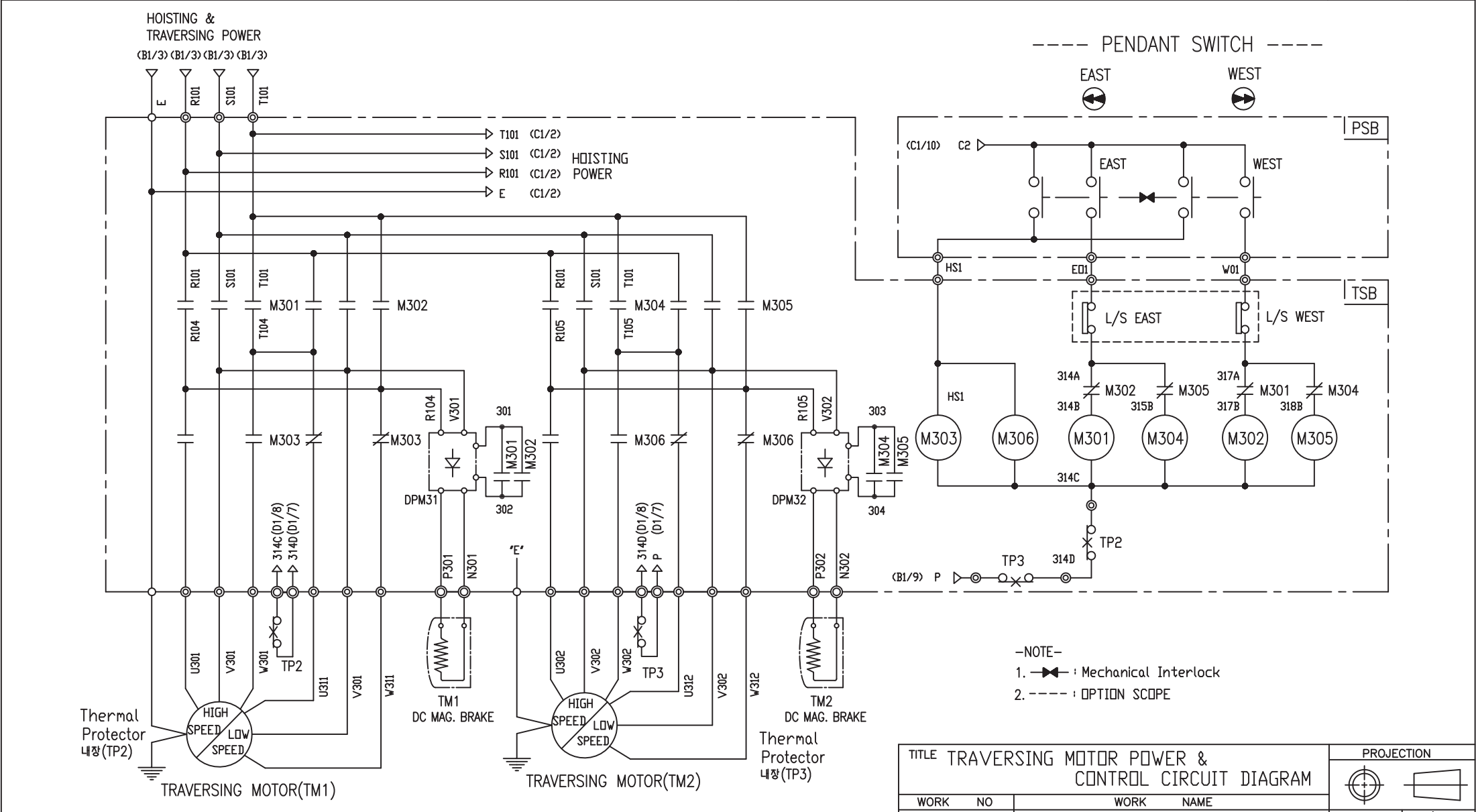
TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM					PROJECTION 	
WORK	NO	WORK NAME				
606		DHDAM(HOOK간 거리 1M이하)			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			1/1	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	DHDAM	
LEE.G.H				CODE NO		
2010.07.30						
 L K HOIST CO., LTD.						

1	2	3	4	5	6	7	8	9	10		
TRAVERSING POWER CIRCUIT					TRAVERSING CONTROL CIRCUIT					ADDRESS NO.	D1



SPECIFICATION	MAGNET CONTACT		Thermal Protector	TRAVERSING MOTOR	
SYMBOLS	M301, M302, M303, M304		TP2, TP3	TM1, TM2	
DESCRIPTION	GMC12	DMC12	17AM032	0.4KW *4P(2set)	0.3KW *6P(2set)
MAKER	LS	DONGA	Texas Instruments	LK	

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM						PROJECTION 	
WORK	NO	WORK NAME					
607		DHDAM (HOOK간 거리 1M이상)				SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V				1/1	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	DHDAM		
LEE.G.H				CODE	NO		
2010.07.30							
 L K HOIST CO., LTD.							



SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	HOISTING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	1.8 - 4 - 22	
4. RATED POWER	1.8 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	220 V 60HZ	
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	30 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	80℃	
11. FULL LOAD SPEED	1740 RPM	
12. FULL LOAD CURRENT	9.3 A	
13. STARTING CURRENT AT RATED VOLTAGE	46.7 A	
14. MINIMUM STARTING VOLTAGE	198 V	
15. EFFICIENCY AT 100% RATED LOAD	72.5 %	
16. POWER FACTOR AT 100% RATED LOAD	70.1 %	
17. STARTING TORQUE	243 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6008DD OPL : 6207ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.4 - 4 - 22	
4. RATED POWER	0.4 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	220 V	60HZ
6. ROTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1710 RPM	
12. FULL LOAD CURRENT	3 A	
13. STARTING CURRENT AT RATED VOLTAGE	13.8 A	
14. MINIMUM STARTING VOLTAGE	198 V	
15. EFFICIENCY AT 100% RATED LOAD	59 %	
16. POWER FACTOR AT 100% RATED LOAD	59.3 %	
17. STARTING TORQUE	250 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6202DD OPL : 6004ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPERATURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.3 - 6 - 22	
4. RATED POWER	0.3 KW × 6 P	
5. RATED VOLTAGE AND FREQUENCY	220 V	60HZ
6. ROTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1140 RPM	
12. FULL LOAD CURRENT	2.5 A	
13. STARTING CURRENT AT RATED VOLTAGE	13.7 A	
14. MINIMUM STARTING VOLTAGE	198 V	
15. EFFICIENCY AT 100% RATED LOAD	57 %	
16. POWER FACTOR AT 100% RATED LOAD	55 %	
17. STARTING TORQUE	250 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6008DD OPL : 6207ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPERATURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.4/0.14 - 4/12 - 22	
4. RATED POWER	0.4/0.14 KW × 4/12 P	
5. RATED VOLTAGE AND FREQUENCY	220 V 60HZ	
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1710 / 550 RPM	
12. FULL LOAD CURRENT	3 / 1.97 A	
13. STARTING CURRENT AT RATED VOLTAGE	14.9/ 9.77 A	
14. MINIMUM STARTING VOLTAGE	198 V	
15. EFFICIENCY AT 100% RATED LOAD	59.3 / 48.3 %	
16. POWER FACTOR AT 100% RATED LOAD	59 / 41.3 %	
17. STARTING TORQUE	236 / 237 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6008DD OPL : 6207ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	